

## Arsenic Speciation Sampling Sites on Vashon-Maury Island only

Fourteen sites sampled for Arsenic speciation. Eight sites have predominant concentration with As(III) are shown in black and the other five sites have mostly As(V) are shown in blue. Three of 14 sites have concentrations over the MCL of 10 µg/L (shown in red). Additional site data are presented in Table 3.

**Table 3. Arsenic Speciation Sampling Site Details**

Locator:	VAS_W-02A	VAS_W-04	VAS_W-07	VAS_W-09A	VAS_W-12	VAS_W-21	VAS_W-52
As(total)	5.24	20.1	11.8	5.03	4.86	1.66	0.67
As(III)	0.035	17.5	11.7	4.5	5.5	0.921	0.009
As(V)	5.2	2.66	0.4	0.53	0.04	0.74	0.667
% As(III)	0.7%	87.1%	99.2%	89.5%	113.2%	55.5%	1.3%
% As(V)	99.2%	13.2%	0.8%	11.1%	0.8%	44.6%	99.6%
well_depth	177	305	297	450	473	133	80
Well_btm_elev	83.3	-106.7	-37.1	-38.9	-362.6	165.8	190
pH	7.36	8.28	8.31	7.6	8.19	7.9	6.87
DO	3.9	0.94	3.96	0.77	1.13	2.17	7.01
Locator:	VAS_W-54	VAS_W-56	VAS_W-57	VAS_W-58	VAS_W-66	VAS_W-67	VAS_W-68
As(total)	5.69	1.85	1.89	1.67	43.1	1.41	1.24
As(III)	3.95	1.66	0.09	0.122	36	0.256	0.115
As(V)	1.74	0.186	1.8	1.55	7.17	1.15	1.12
% As(III)	69.4%	89.7%	4.8%	7.3%	83.5%	18.2%	9.3%
% As(V)	30.6%	10.1%	95.2%	92.8%	16.6%	81.6%	90.3%
well_depth	185	139	160	180	204	160	132
Well_btm_elev	-125	146	60	80	96	-30	119
pH	7.72	7.49	7.81	7.6	8.18	7.64	7.73
DO	2.01	0.12	1.24	2.21	0.06	0.28	8.46

Data from King County Department of Natural Resources and Parks Poster  
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Naturally Occurring Arsenic in Groundwater from Glacial Deposits in King County Washington

